

What is claimed is:

1. A generally axial bit for mounting in a sleeve of a rotary driving tool in order to drive a slotted screw having a hollow cap with a threaded interior cylindrical wall having an inner minor diameter, said bit comprising:
 - a driver portion at one end thereof and a sleeve engaging portion at the other end thereof;
 - said driver portion including a generally cylindrical aligning portion with a predetermined diameter of between about 85 % and about 99 ½ % of said inner minor diameter and a pair of laterally opposed concave surfaces tapering at a predetermined radius of curvature of between about 50 % and about 150 % of said inner minor diameter to a generally rectangular flat headed tip for engaging the slot of said screw while said generally cylindrical aligning portion aligns said cap and said screw substantially coaxially with said bit.

2. A generally axial bit for engaging, aligning and driving a fastener assembly into concrete, said assembly including a slotted screw and a hollow cap, said slotted screw having a slot width of at least about 0.053 inch and said cap having a ¼ inch UNC-2B threaded interior cylindrical wall for subsequently receiving a ¼ inch UNC-2B bolt to releasably secure a member to said fastener assembly, said bit being mountable in a sleeve of a rotary driving tool, said sleeve having a generally hexagonal interior with a detent, said generally axial bit comprising:
 - a driver portion at one end thereof and a sleeve engaging portion at the other end thereof;
 - said sleeve engaging portion being hexagonal and having a recess for receiving said detent;
 - said driver portion including a generally cylindrical aligning portion with a diameter of between about 0.17 inch and about 0.19 inch and a pair of laterally opposed concave surfaces tapering at a predetermined radius of curvature of between about 3/32 inch and about 7/32 inch to a generally rectangular flat headed tip having a thickness of about 0.052 inch, wherein said tip is engageable with the slot of said screw when said generally cylindrical aligning portion aligns said cap and said screw substantially coaxially with said bit.

3. A bit according to claim 2, wherein said bit is made of heat treated S5 steel hardened to a Rockwell C hardness of between about 55 and about 60 and wherein said concave surfaces of said driving portion have a radius of curvature of about 3/16 inch.